

CLAIM AMENDMENTS

Please amend claims 1 and 14, as follows:

1. (Currently Amended) A hinge connecting a first member to a second member, the hinge comprising:

a support rotatably connected to the first member about a first axis;

a first torque element having a first end ~~including an open portion and a closed portion, the first torque element having an elongated second end extending from the closed portion and a second end,~~ the second end of the first torque element being fixedly connected to the support;

a first shaft extending from the second member and being rotatable about a second axis, the first shaft having first and second ends, the first end of the first shaft being fixedly connected to the second member, the first shaft being rotatably located ~~within~~with respect to the first end of the first torque element; and

a first biasing element positioned between the first shaft and the support and biasing the shaft to rotate about the second axis in a first direction.

2. (Original) The hinge according to claim 1 wherein the first biasing element comprises a first torsion spring having first and second ends and a plurality of coils therebetween, the first end of the first torsion spring being secured to the first shaft, the second end of the first torsion spring being secured to the support, and the plurality of coils surrounding the first shaft.

3. (Original) The hinge according to claim 2 wherein the second end of the first shaft further comprises a first slot extending along a plane through the second axis from the second end to a location between the first end and the second end of the first shaft and wherein the first end of the first torsion spring is located in the first slot.

4. (Original) The hinge according to claim 3 wherein the first shaft is rotatably located within the first end of the first torque element between the first slot and the first end of the first shaft.

5. (Original) The hinge according to claim 1 further comprising a connector secured to the first member, the support being rotatably mounted to the connector.

6. (Original) The hinge according to claim 1 further comprising a first bracket fixedly connected to the second member, the first shaft extending from the first bracket.

7. (Original) The hinge according to claim 1 further comprising:

a second torque element having a first end including an open portion and a closed portion, the second torque element having an elongated second end extending from the closed portion, the second end of the second torque element being fixedly connected to the second element;

a second shaft extending from the second member and being rotatable about the second axis, the second shaft having first and second ends, the first end of the second shaft being fixedly connected to the second member, the second shaft being rotatably located within the first end of the second torque element; and

a second biasing element positioned between the second shaft and the support and biasing the shaft to rotate about the second axis in the first direction.

8. (Original) The hinge according to claim 7 wherein the second biasing element comprises a second torsion spring having first and second ends and a plurality of coils therebetween, the first end of the second torsion spring being secured to the second shaft, the second end of the second torsion spring being secured to the support, and the plurality of coils surrounding the second shaft.

9. (Original) The hinge according to claim 8 wherein the second end of the second shaft further comprises a second slot extending along a plane through the second axis from the second end to a location between the first end and the second end of the second shaft and wherein the first end of the second torsion spring is located in the second slot.

10. (Original) The hinge according to claim 9 wherein the second shaft is rotatably located within the first end of the second torque element between the second slot and the first end of the second shaft.

11. (Original) The hinge according to claim 7 further comprising a second bracket fixedly connected to the second member, the second shaft extending from the second bracket.

12. (Original) The hinge according to claim 11 wherein the first and second brackets are connected by a link.

13. (Original) The hinge according to claim 7 wherein the first end of each of the first and second torque elements is "C-shaped".

14. (Currently Amended) The hinge according to claim 13 wherein the first end of the first torque element includes an open portion and a closed portion, the second end of each of the first and second torque elements is generally diametrically opposed from the open portion of each of the first and second torque elements, respectively.

15. (Original) The hinge according to claim 14 wherein the second end of each torque element is positioned in a plane generally perpendicular to the second axis.

16. (Original) The hinge according to claim 13 wherein an interference fit exists between the first shaft and the first end of the first torque element and between the second shaft and the first end of the second torque element.

17. (Original) The hinge according to claim 16 wherein each of the first and second torque elements is geometrically configured to have substantially uniform strength whereby substantially uniform forces are created between each of the first and second torque elements and the first and second shafts, respectively, to provide torque transfer and angular positional control of the first and second shafts with respect to the first and second torque elements, respectively.

18. (Original) A hinge connecting a first member to a second member, the hinge comprising:

a connector constructed of a polymeric material secured to the first member and having a first axis, the connector having a generally flat connector surface; and

a support constructed of a metallic material rotatably connected to the connector about the first axis, the support having a first generally flat support surface, the connector surface being biased against the first generally flat support surface, the second member being connected to the support.

19. (Original) The hinge according to claim 18, further comprising a friction piece rotatably secured to the connector about the first axis and wherein the support further includes a second generally flat support surface, the friction piece being biased against the second generally flat support surface.

20. (Original) The hinge according to claim 19 wherein the friction piece is constructed of a polymeric material.

21. (Original) The hinge according to claim 18 wherein the connector includes a metal stiffener at least partially disposed within the polymeric material along the first axis, the stiffener extending through the support and the friction piece.

22. (Original) The hinge according to claim 21, further comprising a wavy spring washer mounted on the stiffener and being retained thereon by an end piece such that the connector surface, support surface and friction piece are biased into compression.

23. (Original) A hinge connecting a first member to a second member, the hinge comprising:

a connector secured to the first member and having a first axis;

a support constructed of a metallic material rotatably connected to the connector about the first axis, the support having a first generally flat support surface; and

a friction piece constructed of a polymeric material rotatably connected to the support about the first axis and being rotatably fixed to the connector, the friction piece being biased against the first generally flat support surface, the second member being connected to the support.

24. (Original) The hinge according to claim 23, wherein the support further comprises a second generally flat support surface and the connector includes a generally flat connector surface, the connector surface being biased against the second support surface.

25. (Original) The hinge according to claim 24 wherein the connector is constructed from a polymeric material.

26. (Original) The hinge according to claim 25 wherein the connector includes a metal stiffener at least partially disposed within the polymeric material along the first axis, the stiffener extending through the support and the friction piece.